

EXTENSION OF BROWSER WEB PAGE CONTENT LABELS AND  
PASSWORD CHECKING TO COMMUNICATIONS PROTOCOLS

**ABSTRACT OF THE DISCLOSURE**

Content label categories and associated user  
restrictions for desired access control may be entered by a  
privileged user in any communications programs (such as a  
browser) within a system, and are automatically distributed  
to all other communications programs (such as a different  
browser or a newsreader) within the system regardless of  
whether the same communications protocol is utilized.  
Communications programs being installed check for access  
control settings within other communications programs or via  
a common API in a centrally located operating system access  
control support function, and employ such settings in  
configuring internal access controls. Content-based access  
control is thus implemented uniformly across the system  
without work arounds being available to the nonprivileged  
users. Content labels for requested content, which may be  
embedded within the requested content, contained within a  
communications header for transactions bearing the requested  
content, or looked up in internal or external databases  
utilizing an identifier for the requested content, are  
checked against content label categories restricted for a  
current user. If restricted content is detected, the user  
is prompted for a password before the requested content is  
displayed.